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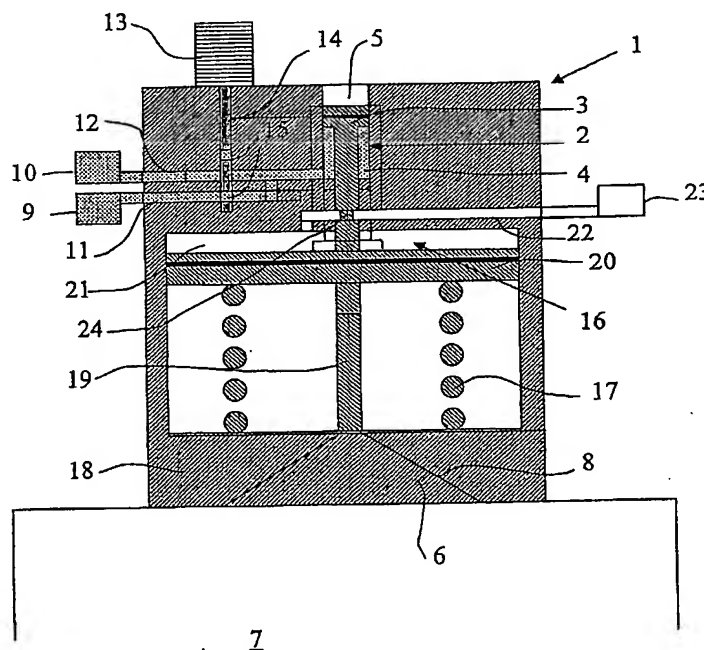
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(54) Title: A METHOD OF GENERATING PRESSURE PULSES, A PRESSURE PULSE GENERATOR AND A PISTON ENGINE PROVIDED THEREWITH



(57) Abstract: A pressure pulse generator comprising a pressure pulse transmitting body (3) which is displaceably arranged in a chamber (2), said chamber (2), divided by said body (3) into a first and a second part (4, 5), a first spring and a second spring (16, 17), arranged to displace said body (3) in a first direction and a second direction respectively in said chamber, a first conduit (11) leading between a high pressure source (9) and a first part (4) of the chamber (2), wherein the pressure fluid in the first part (4) of the chamber acts on said body (3) for displacing the latter in the second direction, and means (13, 14) for opening/interrupting a communication between the first part (4) of the chamber (2) and the high pressure source (9) and a first part (4) of the chamber (2), wherein the pressure fluid in the first part (4) of the chamber acts on said body (3) for displacing the latter in the second direction, and means (13, 14) for opening/interrupting a communication between the first part (4) of the chamber (2) and the high pressure source (9) are arranged to interrupt the communication therebetween while the body (3) is displaced in the first direction from a predetermined starting position through a triggering of the first spring (16), and arranged to keep the communication between the first part (4) of the chamber (2) and the high pressure source (9) open while the body (3) is displaced in the second displacement direction back to said starting position, whereby a biasing of the first spring (16) is accomplished.

WO 2005/083239 A1